

CLAIM LISTING

Claim 1 (Withdrawn). A window frame composed of a unitary body of a thermoset polymeric material, said body having an interior opening sized and shaped to receive a window sash to be mounted in said body, and an exterior so sized and shaped that said body can be attached by screws, nails or the like to supporting members of a building which are adjacent a building opening where the window sash is to be installed, and a plurality of channel members bonded to said frame body, said channel members having a plurality of surfaces which are operable, when surfaces of a cooperating window sash are urged thereagainst, to position the cooperating window sash in a predetermined position relative to said frame body, and means which are operably associatable with said channel members and with the cooperating window sash to prevent the window sash from moving from the predetermined position, said last-named means being movable between a locked position in which movement of the window sash from the predetermined position is prevented, and an unlocked position in which such movement of the window sash is not prevented.

Claim 2 (Withdrawn). A window frame as claimed in claim 1 wherein the interior opening sized and shaped to receive a window sash to be mounted in said body is a rectangular opening, and said body has a pair of opposed walls, each of which has a first edge that adjoins the rectangular opening, and a second edge which is parallel to the first edge, and said body has a third wall which has a first edge that adjoins the rectangular opening and a second edge which is parallel to the first edge.

Claim 3 (withdrawn). A window frame as claimed in claim 2 wherein said channel members are extruded vinyl or aluminum, are embedded in, bonded to, or embedded in and bonded to the first edges of the opposed walls of said body, and have surfaces that adjoin the rectangular opening, and wherein each of said channel members has at least one channel-shaped recess which extends longitudinally thereof and is recessed away from the rectangular opening.

Claim 4 (Withdrawn). A method for producing a window frame which has a top, a bottom and opposed sides, and an opening between the top and the bottom and between the opposed sides for receiving a window sash, which method comprises releasably attaching a plurality of channel members to the exterior of a core which has an exterior shape which corresponds to at least a part of the opening for receiving the window sash, placing a mold part adjacent the core so that, in combination with the core, it forms at least the bottom and two sides of a first mold part for the top of the window frame and one of the channel members is inside the first mold part, placing second and third mold parts adjacent the core so that, in combination with the core, they form at least the bottom and two sides of second and third mold parts for the opposed sides of the window frame and one of the channel members is inside each of the second and third mold parts and there is nothing to prevent the flow of a fluid among the first, second and third mold parts, and introducing into the first, second and third mold parts a composition that is polymerizable under ambient conditions to a thermoset condition.

Claim 5 (Withdrawn). A method as claimed in claim 4 wherein, after the polymerizable material in the first, second and third mold parts has cured to a thermoset condition, a mold for a sill for the window frame is positioned as required to form the sill, and the same or a different composition that is polymerizable under ambient conditions to a thermoset condition is introduced into the sill mold.

Claim 6 (Withdrawn). A method as claimed in claim 4 which additionally includes the steps of releasably attaching a fourth channel member to the exterior of the core, placing a fourth mold part adjacent the core so that, in combination with the core, it forms at least the bottom and two sides of a fourth mold part for the bottom of the window frame, the fourth channel member is inside the fourth mold part, and there is nothing to prevent the flow of a fluid among the first, second, third and fourth mold parts, and introducing the composition that is polymerizable under ambient conditions to a thermoset condition into the fourth mold part.

Claim 7 (Currently amended) A structural panel which consists essentially of a body of a thermoset, cellular urethane, said body being substantially right rectangular parallelepipedal in

shape, having opposed major surfaces, and a surface layer of another material chemically and mechanically bonded to at least one of the opposed major surfaces as a consequence of cure of the urethane to its thermoset condition while forced against that surface or surfaces.

Claim 8 (Canceled).

Claim 9 (Currently amended) The structural panel as claimed in claim 7 which includes a surface layer of another material chemically and mechanically bonded to both of the opposed major surfaces as a consequence of cure of the urethane to its thermoset condition while forced against that surface or surfaces.

Claims 10 and 11 (Canceled).

Claim 12 (Withdrawn-currently amended) A wall structure as claimed in claim 7 wherein said surface layer is metal, and is contoured so that it forms first and second pluralities of parallel channels having substantially coplanar webs, the webs of said first and second pluralities of parallel channels being vertically offset from one another, each channel of said first plurality being adjacent a channel of said second plurality, and being open on one side of its web while each adjacent channel of said second plurality is open on the opposite side of its web, and a plurality of substantially parallel sidewalls, each of which has an edge which is structurally integral with an edge of one of the webs of said first plurality of channels and an opposed edge which is structurally integral with an edge of the web of an adjacent channel of said second plurality, strips of one of the major surfaces of said body of thermoset cellular urethane being chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against those surfaces to the sides of the webs of said first plurality of channels opposite the integral sidewalls, and said body of thermoset cellular urethane having portions which extend into and fill, and are chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against a surface or surfaces thereof to, each channel of said second plurality which is adjacent a channel of said first plurality that is chemically and mechanically bonded to a strip of the major surface of said body of thermoset cellular urethane.

Claims 13 and 14 (Canceled).

15. (Withdrawn-currently amended) A structural panel as claimed in claim 12 which additionally includes a second metal surface which is contoured so that it forms first and second pluralities of parallel, second surface channels having substantially coplanar webs, the webs of said first and second pluralities of parallel channels being vertically offset from one another, each channel of said first plurality being adjacent a channel of said second plurality, and being open on one side of its web while each adjacent channel of said second plurality is open on the opposite side of its web, and a plurality of substantially parallel sidewalls, each of which has an edge which is structurally integral with an edge of one of the webs of said first plurality of channels and an opposed edge which is structurally integral with an edge of the web of an adjacent channel of said second plurality, wherein strips of the second of the major surfaces of said body of thermoset cellular urethane are chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against those surfaces to the sides of the webs of said first plurality of second surface channels opposite the integral sidewalls, and said body of thermoset cellular urethane having portions which extend into and fill, and are chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against to, each channel of said second plurality of second surface channels which is adjacent a channel of said first plurality that is chemically and mechanically bonded to a strip of the major surface of said body of thermoset cellular urethane.

16 (Withdrawn) A structural panel as claimed in claim 15 wherein the first and second channels of said second metal surface extend transversely of the first and second channels of said metal surface.

17. (Withdrawn) A structural panel as claimed in claim 16 wherein the first and second channels of said second metal surface extend substantially at right angles to the first and second

channels of said metal surface.

Claims 18 and 19 (Canceled)

20. (Withdrawn-currently amended) An assembly which comprises a body of a thermoset, cellular urethane having a plurality of surfaces, including ~~one which is a~~ first substantially planar surface, and a second body which is metal and has a substantially planar surface which abuts and is chemically and mechanically bonded to said first substantially planar surface as a consequence of cure of the urethane to the thermoset condition while forced into contact with ~~that the~~ substantially planar surface of said second body. and cured

21. (Withdrawn-currently amended) An assembly as claimed in claim 20 wherein the substantially planar surface of said second body is the web of a channel having sidewalls which are structurally integral with the web and have opposed ~~free~~ edges, said first body has surfaces which are chemically and mechanically bonded ~~to~~ as a consequence of cure of the urethane to its thermoset condition while forced against the interior surfaces of said sidewalls, and said first body fills said channel.

22.(Withdrawn-currently amended) An assembly as claimed in claim 21 wherein the sidewalls of said channel are substantially parallel to one another, and extend substantially at right angles to the web of said channel from an edge which is structurally integral with an edge of said web to an opposed ~~free~~ edge.

23. (Withdrawn-currently amended) A structure which includes a plurality of assemblies as claimed in claim 22 wherein the webs of said channels are substantially coplanar, and the sidewalls of said channels are of substantially the same height, and are substantially parallel to one another, the distances between each of the sidewalls and the adjacent sidewall, if there is one, of the next assembly being substantially the same, and a web which is structurally integral with the ~~free~~ edge of each of the sidewalls and the ~~free~~ edge of the adjacent sidewall, if there is one.

24. (Withdrawn) A structure as claimed in claim 23 wherein the body of a thermoset, cellular urethane which fills each of the channels of said structure is a part of a urethane body which has a surface spaced from the webs of said channels and extends from that surface to the web and sidewalls of each of said channels.

25. (Withdrawn) A structural assembly which comprises first and second structures as claimed in claim 24 positioned so that the webs of said structures are substantially parallel to one another, but the webs of one extend transversely relative to the webs of the other, wherein the body of a thermoset urethane which fills each of the channels of the first of said structures is a part of the body of a thermoset urethane which fills each of the channels of the second of said structures.

26. (Previously presented) A structural panel as claimed in claim 7 wherein said surface layer is metal.

27. (Withdrawn- currently amended) A structural panel as claimed in claim 26, wherein said metal surface layer is contoured so that it forms first and second pluralities of parallel channels having substantially coplanar webs, the webs of said first and second pluralities of parallel channels being vertically offset from one another, each channel of said first plurality being adjacent a channel of said second plurality, and being open on one side of its web while each adjacent channel of said second plurality is open on the opposite side of its web, and a plurality of substantially parallel sidewalls, each of which has an edge which is structurally integral with an edge of one of the webs of said first plurality of channels and an opposed edge which is structurally integral with an edge of the web of an adjacent channel of said second plurality, strips of a first one of the major surfaces of said body of thermoset cellular urethane being chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against those surfaces to the sides of the webs of said first plurality of channels opposite the integral sidewalls, and said body of thermoset cellular urethane having portions which extend into and fill, and are chemically and mechanically bonded to as a consequence of cure of the urethane to its thermoset condition while forced against surfaces of each channel of said second plurality which is adjacent a channel of said first plurality that is chemically and mechanically bonded to a strip of the major surface of said

body of thermoset cellular urethane.

28. (Withdrawn currently amended) A structural panel as claimed in claim 27 which additionally includes a second metal surface which is contoured so that it forms first and second pluralities of parallel channels having substantially coplanar webs, the webs of said first and second pluralities of parallel channels being vertically offset from one another, each channel of said first plurality being adjacent a channel of said second plurality, and being open on one side of its web while each adjacent channel of said second plurality is open on the opposite side of its web, and a plurality of substantially parallel sidewalls, each of which has an edge which is structurally integral with an edge of one of the webs of said first plurality of channels and an opposed edge which is structurally integral with an edge of the web of an adjacent channel of said second plurality, strips of a second of the major surfaces of said body of thermoset cellular urethane being chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against those surfaces to the sides of the webs of said first plurality of channels of said second metal surface opposite the integral sidewalls, and said body of thermoset cellular urethane having portions which extend into and fill, and are chemically and mechanically bonded as a consequence of cure of the urethane to its thermoset condition while forced against those surfaces to, each channel of said second plurality which is adjacent a channel of said first plurality that is chemically and mechanically bonded to a strip of the major surface of said body of thermoset cellular urethane.